

AMENDMENTS TO THE CLAIMS

The following listing of claims will replace all prior versions and listings of claims in the application.

LISTING OF CLAIMS

1-18. (Cancelled)

19. (Previously Presented) The apparatus of Claim 52 further comprising a sensor in communication with said compressor, said sensor providing a signal to said control block indicative of an operating characteristic of said compressor, and said control block being operable to transmit said signal to said system master.

20. (Previously Presented) The apparatus of Claim 52 further comprising a plurality of sensors in communication with said compressor, each of said plurality of sensors providing a signal to said control block indicative of an operating characteristic of said compressor.

21. (Previously Presented) The apparatus of Claim 20 wherein said control block creates an event history from said signals of said sensors.

22. (Previously Presented) The apparatus of Claim 21 wherein said control block is operable to transmit said event history to said system master.

23 - 25. (Cancelled)

26. (Previously Presented) The apparatus of Claim 52 wherein said control block includes a microprocessor.

27. (Previously Presented) The apparatus of Claim 26 wherein said microprocessor functions as a gateway for communicating with said system master.

28. (Previously Presented) The apparatus of Claim 26 wherein said microprocessor controls communication between said control block and said system master.

29. (Cancelled)

30. (Previously Presented) The apparatus of Claim 52 wherein said control block is operable for selective control by said system master.

31. (Cancelled)

32. (Previously Presented) The apparatus of Claim 52 wherein said compressor is initially configured by said control block receiving said new image of compressor data from said system master.

33. (Previously Presented) The apparatus of Claim 52, further comprising a plurality of sensors integrated internally into a shell of said compressor and in communication with said control block.

34. (Previously Presented) The apparatus of Claim 52 wherein said control block includes a vibration sensor.

35 - 47. (Cancelled)

48. (Previously Presented) The apparatus of Claim 52 wherein said control block includes a microprocessor that controls communication of said image between said control block and said system master.

49. (Previously Presented) The apparatus of Claim 52 further comprising a shell, wherein said compression mechanism is disposed in said shell and said control block is mounted on said shell.

50. (Withdrawn) The apparatus of Claim 53 wherein said operating parameter includes vibration.

51. (Cancelled)

52. (Previously Presented) An apparatus comprising:

a compressor including a compression mechanism and a motor driving said compression mechanism;

a memory associated with said compressor and storing an image of compressor data including compressor identification data and compressor configuration data;

a control block associated with said compressor and operable to transmit a copy of said image to a system master, to receive from said system master at least one of a modified copy of said transmitted image and a new image of compressor data including compressor identification data and compressor configuration data, and to store at least one of said modified copy of said transmitted image and said new image in said memory.

53. (Withdrawn) The apparatus of claim 52 further comprising a plurality of sensors monitoring an operating parameter of at least one of said motor and said compression mechanism.

54. (Withdrawn) The apparatus of claim 52 wherein said compressor identification data includes at least one of compressor model data and compressor serial number data.

55. (Previously Presented) The apparatus of claim 52 wherein said compressor configuration data includes compressor application data.

56. (Previously Presented) The apparatus of claim 55 wherein said compressor application data includes at least one of application type data, application temperature range data, refrigerant code data, oil code data, and oil charge data.

57. (Previously Presented) The apparatus of claim 52 wherein said compressor configuration data includes compressor control data.

58. (Previously Presented) The apparatus of claim 57 wherein said compressor control data includes anti-short cycle time data.

59. (Withdrawn) The apparatus of claim 57 wherein said compressor control data includes at least one of discharge pressure cut-in data, discharge pressure cut-out data, discharge pressure sensor option data, discharge trip time data, discharge multiplier data, discharge divider data, and discharge temperature cut-out data.

60. (Withdrawn) The apparatus of claim 57 wherein said compressor control data includes at least one of oil add set point data, oil stop add set point data, oil trip set point data, oil on time data, oil off time data, and oil add period data.

61. (Withdrawn) The apparatus of claim 57 wherein said compressor control data includes at least one of shake limit data and shake count data.

62. (Withdrawn) The apparatus of claim 57 wherein said compressor control data includes at least one of suction pressure low limit data, suction pressure high limit data, suction multiplier data, suction divider data, and suction pressure sensor option data.

63. (Withdrawn) The apparatus of claim 52 wherein said image of compressor data includes customer information data.

64. (Withdrawn) The apparatus of claim 63 wherein said customer information data includes at least one of customer name data and customer model number data.

65. (Previously Presented) The apparatus of claim 21 wherein said image of compressor data includes said event history.

66. (Previously Presented) The apparatus of claim 65 wherein said event history includes at least one of compressor cycles data, compressor on-time data, discharge pressure trips data, discharge temperature data, motor trips data, oil trips data, suction pressure limit trips data, shake limit trips data, and events since cleared data.

67. (Previously Presented) The apparatus of claim 21 wherein said image of compressor data includes said event history and customer information data and wherein

said compressor configuration data includes compressor application data and compressor control data.

68. (New) An apparatus comprising:

a compressor including a shell and a compression mechanism disposed within said shell;

a control block associated with said compressor and mounted on said shell;

a memory accessible to said control block and associated with said compressor, said memory storing a first image of compressor data, said first image including compressor application data and compressor control data;

a system master in communication with said control block;

wherein said system master sends a request to said control block, receives a copy of said first image from said control block in response to said request, constructs a new image of compressor data, said new image including compressor application data and compressor control data, and sends said new image to said control block; and

wherein said control block stores said new image in said memory in place of said first image.